Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/03/2018 11:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124211	-1	2.15	124262	2.14
Blue	F	SSC	125000	124444	-1	1.41	125128	1.40
Blue	E	FITC	15760	15323	-3	2.96	331	22.18
Blue	D	PE	25880	25291	-3	1.99	549	16.43
Blue	B	PerCP-Cy5-5	34075	33598	-2	4.19	1024	23.14
Blue	A	PE-Cy7	22776	22801	0	7.46	544	46.21
Red	C	APC	42488	41445	-3	2.86	1564	13.34
Red	A	APC-Cy7	24478	24099	-2	3.04	827	13.38
Violet	B	V450	6304	6088	-4	3.99	348	17.25
Violet	A	V500	26005	24997	-4	3.58	587	13.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20681	8.05	606	9	N/A	N/A	Pass
Blue	F	SSC	56509	1.07	572	17	N/A	N/A	Pass
Blue	E	FITC	59	74.13	560	4	0.0166	236	Pass
Blue	D	PE	116	56.05	554	5	0.1349	299	Pass
Blue	B	PerCP-Cy5-5	193	56.27	654	7	0.0071	66	Pass
Blue	A	PE-Cy7	104	116.20	709	12	0.0088	27	Pass
Red	C	APC	369	28.98	603	3	0.0205	221	Pass
Red	A	APC-Cy7	202	28.24	575	4	0.0043	366	Pass
Violet	B	V450	59	76.52	492	3	0.0310	2891	Pass
Violet	A	V500	88	46.73	509	3	0.0134	1272	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/03/2018 11:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.83	-30.59	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.78	13.60 - 20.40	N/A	N/A	30.80	31.00	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13600

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments